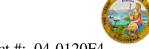
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

69.28 File #:

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter **Report No:** WIR-020156

Address: 333 Burma Road **Date Inspected:** 22-Jan-2011

City: Oakland, CA 94607

OSM Arrival Time: 1500 **Project Name:** SAS Superstructure **OSM Departure Time:** 300 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: CWI Present: Yes No Mr. Yu Jiao (ABF) **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A **Electrode to specification:** No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes N/A **Approved Drawings:** Yes No **Approved WPS:** No **Delayed / Cancelled:** Yes No N/A

34-0006 **Bridge No: Component:** BAY 14 OBG

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Robert A.DeArmond was present during the time noted above and conducted observations relative to the work being performed.

OBG BAY 14

Ultrasonic Testing (UT)

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a UT report for this date. All components were as listed on NWIT notification no. 08264. The member(s) is/are identified as Edge Plate to Side Plate. The weld designations reviewed are as follows:

SEG3013V-345, 105

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

OBG BAY 14

This QA Inspector observed the following work in progress:

FCAW welding of complete joint penetration weld joint(s) located on lift 13A East Line SEG-3007AB Edge Plate to Floor Beam weld number(s) 015. Welder is identified as welder no. 066733. The welding variables recorded by ZPMC QC identified as Zong Guo Hui appeared to comply with applicable WPS(s) WPS-B-P-2233-ESAB.

FCAW welding of complete joint penetration weld joint(s) located on lift 14 East Line SEG-3019S Side Plate to I-Rib weld number(s) 046. Welder is identified as welder no. 066763. The welding variables recorded by ZPMC QC identified as Zong Guo Hui appeared to comply with applicable WPS(s) WPS-B-P-2233-ESAB.

SMAW welding of complete joint penetration weld joint(s) located on lift 14 East Line SEG3019BB Vertical Shear Plate to Bottom Plate weld number(s) 081. Welder is identified as welder no. 215553. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of partial joint penetration weld joint(s) located on lift 14 East Line SEG3019BB Vertical Shear Plate to Floor Beam Flange weld number(s) 096. Welder is identified as welder no. 067571. The welding variables recorded by ZPMC QC identified as Zong Guo Hui appeared to comply with applicable WPS(s) WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of partial joint penetration weld joint(s) located on lift 14 East Line SEG3019BB Vertical Shear Plate to Floor Beam Flange weld number(s) 052. Welder is identified as welder no. 067571. The welding variables recorded by ZPMC QC identified as Zong Guo Hui appeared to comply with applicable WPS(s) WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of complete joint penetration weld joint(s) located on lift 14 East Line SEG3019BB Floor Beam to Vertical Shear Plate weld number(s) 037. Welder is identified as welder no. 216086. The welding variables recorded by ZPMC QC identified as Zong Guo Hui appeared to comply with applicable WPS(s) WPS-B-P-2212-TC-U4b-FCM-1.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

As mentioned above between QA and QC concerning this project

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By:	DeArmond,Robert	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer